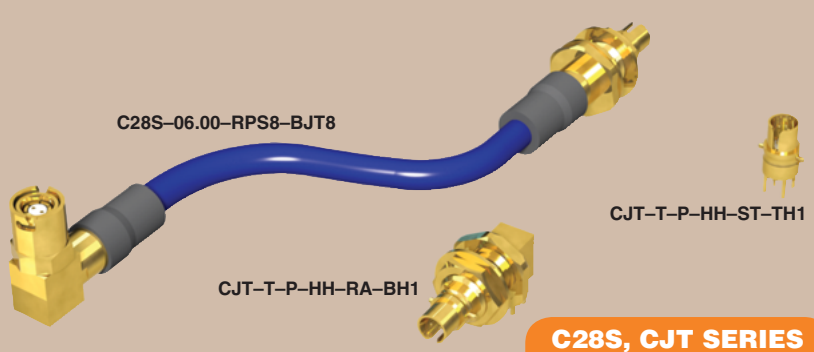
samtec




C28S, CJT SERIES

# 100Ω SHIELDED TWISTED PAIR SYSTEM

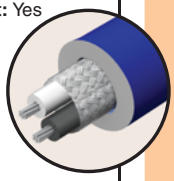
## SPECIFICATIONS

For complete specifications see www.samtec.com?C28S

### RF Connector:

**Outer Contact Material:** Phosphor Bronze (Plug), Brass (Jack)
**Center Contact Material:** Phosphor Bronze (Terminals), BeCu (Sockets)
**Insulator Material:** PTFE
**Operating Temperature:** -40°C to +85°C
**Voltage Rating:** 200 VAC
**Frequency Range:** 0 - 4 GHz
**Impedance:** 100Ω
**RoHS Compliant:** Yes

### Cable:



**Cable:** 28 AWG shielded twisted pair
**Signal Routing:** 100Ω Differential
**Jacket Material:** PVC
**Insulator Material:** PTFE
**RoHS Compliant:** Yes

**Note:** Cable lengths longer than 36.00" (0,92 meter) are not supported with S.I. test data.

| TYPE | – | OVERALL LENGTH | – | END 1 CONNECTOR | – | END 2 CONNECTOR |
|---|---|---|---|---|---|---|

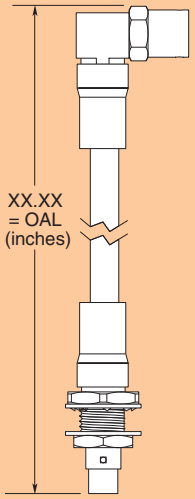
Mates with: CJT, C28S

**C28S** = 28 AWG shielded twisted pair

**–"XX.XX"** = Overall Length in Inches (101,6 mm) 04.00" minimum

**Specify END OPTIONS from chart**

| END OPTIONS | |
|---|---|
| **–SPS8** = Straight Plug with Sockets (30µ" (0,76 µm) Gold on Center and Outer Contact, Gold Flash on Shell) | |
| **–RPS8** = Right Angle Plug with Sockets (30µ" (0,76 µm) Gold on Center and Outer Contact, Gold Flash on Shell) | |
| **–BJT8** = Bulkhead Jack with Terminals (30µ" (0,76 µm) Gold on Center and Outer Contact, Gold Flash on Shell) | |
| **–SING** = Single Ended (End 2 callout) | |
| **–XXXXXX** = Stripped & Tinned (End 2 callout) (See chart for callout) | C B A |




–RPS8–BJT8 SHOWN

**ALSO AVAILABLE** (MOQ Required)

- Additional stripping and tinning options

Contact Samtec.

**STRIPPED & TINNED (Dimensions in inches)**

| CALLOUT | A | B | C |
|---|---|---|---|
| –303030 | .30 | .30 | .30 |
| –303040 | .30 | .30 | .40 |
| –403030 | .40 | .30 | .30 |
| –403040 | .40 | .30 | .40 |

Both center conductors and braid shield are stripped, only the center conductors are tinned.

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?CJT-TH or www.samtec.com?CJT-BH

**Shell Material:** Brass
**Insulator Material:** PTFE
**Contact Material:** Phosphor Bronze
**Frequency Range:** 0 - 4 GHz
**Working Voltage:** 200 VAC
**Impedance:** 100Ω
**RoHS Compliant:** Yes
**Lead-Free Solderable:** Yes

| CJT | – | GENDER | – | TYPE | – | PLATING | – | ORIENTATION | – | TERMINATION |
|---|---|---|---|---|---|---|---|---|---|---|

Mates with: C28S

**–T** = Jack

**–P** = PCB Mount

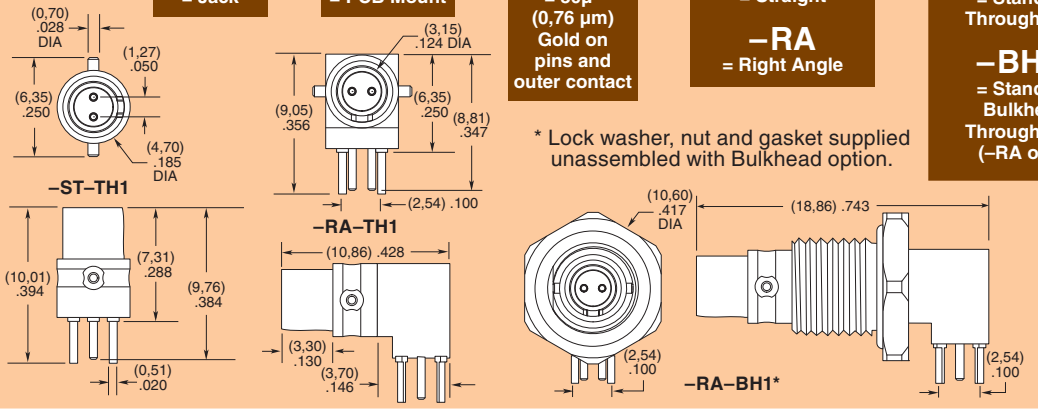
**–HH** = 30µ" (0,76 µm) Gold on pins and outer contact

**–ST** = Straight

**–RA** = Right Angle

**–TH1** = Standard Through-hole

**–BH1*** = Standard Bulkhead Through-hole (–RA only)




* Lock washer, nut and gasket supplied unassembled with Bulkhead option.

Due to technical progress, all designs, specifications and components are subject to change without notice.



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